

# **ABSTRACT OF THE DISCLOSURE**

A predistortion circuit has  
an input terminal for inputting a predetermined signal;  
a nonlinear device directly or indirectly connected to  
the input terminal;

a bias supply circuit for applying a voltage to the  
nonlinear device;

specific-frequency suppressing means connected to one  
side or both sides of the nonlinear device directly without another  
intervening device and of suppressing all or part of such  
frequencies that are from a frequency corresponding to DC to a  
frequency corresponding to an occupied band width of an input  
signal inputted to the input terminal and/or suppressing at least  
one higher harmonic frequency of a carrier wave of the input  
signal; and

an output terminal for outputting a signal.